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CENTRAL INTELLIGENCE AGENCY

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# INFORMATION REPORT

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SECURITY INFORMATION

| | | | |
|---|---|---|---|
| COUNTRY | East Germany | REPORT | |
| SUBJECT | Requirements of the East German Ministry for Machine Construction for the 1951-1955 Production and Plant Expansion Program | DATE DISTR. | 4 Nov. 1953 |
| | | NO. OF PAGES | 7 |
| DATE OF INFO. | | REQUIREMENT NO. | RD |
| PLACE ACQUIRED | | REFERENCES | |

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This is UNEVALUATED Information

*THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.*
*THE APPRAISAL OF CONTENT IS TENTATIVE.*
*(FOR KEY SEE REVERSE)*

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The annexes list the needs of the East German Ministry for Machine Construction for the 1951-1955 production program and the plant expansion program:

Annex 1 - Raw materials needed for the production program, 1951-1955

Annex 2 - Construction materials needed for investments, 1951-1955

Annex 3 - Machinery requirements, 1951-1955 [1]

Comment: All figures are reported as received.

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25 YEAR RE-REVIEW

| STATE | #x | ARMY | #x | NAVY | x | AIR | #x | FBI | | AEC | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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Annex 1

## PRODUCTION MATERIAL REQUIREMENTS FOR THE PRODUCTION PLAN 1951 - 1955

| Description of Product | Unit of Quantity | Requirements 1950 | 1951 | 1952 | 1953 | 1954 | 1955 |
|---|---|---|---|---|---|---|---|
| Electric power | Million Wh | 14,400 | 63,900 | 81,000 | 99,200 | 122,400 | 128,900 |
| Coal and coke | tons | 37,400 | 109,200 | 164,000 | 207,600 | 244,600 | 263,900 |
| Pig iron and Crude Steel | tons | 3,100 | 8,400 | 11,400 | 17,100 | 20,500 | 22,400 |
| Semifinished products (billets, plates, etc.) | tons | 300 | 300 | 300 | 500 | 600 | 600 |
| Rolled steel products | Total tons | 12,000 | 56,000 | 85,900 | 109,100 | 124,600 | 134,900 |
| T and U steel over 80 mm. and other heavy profiles | tons | 1,300 | 5,600 | 9,800 | 13,600 | 16,500 | 18,400 |
| Rod sheet | tons | 4,100 | 16,700 | 28,200 | 35,900 | 42,300 | 45,900 |
| Heavy sheet | tons | 2,300 | 11,100 | 16,300 | 21,900 | 25,300 | 27,500 |
| Medium sheet | tons | 500 | 3,100 | 4,100 | 5,300 | 5,900 | 6,400 |
| Dynamo and transformer sheet | tons | 800 | 4,900 | 7,100 | 7,900 | 8,400 | 8,700 |
| Other thin sheet | tons | 500 | 3,300 | 4,900 | 6,000 | 6,400 | 7,000 |
| Pipes, seamless and welded | tons | 400 | 3,300 | 4,700 | 5,400 | 6,000 | 6,900 |
| Cold-rolled and cast-steel products | tons | 400 | 2,200 | 3,200 | 3,200 | 3,600 | 3,900 |
| Nonferrous metals in ingots, cast and rolled material from Cu and Cu alloys | tons | 700 | 1,800 | 2,600 | 3,700 | 4,100 | 4,300 |
| Nonferrous metals from other metals | tons | 100 | 700 | 900 | 1,100 | 1,300 | 1,400 |
| Gray iron and malleable iron castings | tons | 10,900 | 32,900 | 52,700 | 77,000 | 91,600 | 99,300 |
| Steel castings | tons | 4,500 | 14,100 | 24,600 | 27,400 | 33,500 | 37,000 |
| Forged and stamped pieces from black iron | tons | 1,600 | 4,200 | 6,500 | 10,800 | 13,100 | 14,400 |
| Lacquered and dynamo wire | tons | 300 | 1,700 | 2,200 | 2,500 | 2,700 | 2,800 |
| Transformer oil | tons | 400 | 3,000 | 3,500 | 3,800 | 3,900 | 4,100 |
| Cut lumber | m3 | 6,000 | 21,800 | 26,500 | 32,900 | 37,300 | 40,100 |



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Annex 2

CONSTRUCTION MATERIAL REQUIREMENTS
FOR INVESTMENTS 1951 - 1955

| Description of Article | Unit of Quantity | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | Total 1950-1955 |
|---|---|---|---|---|---|---|---|---|
| Cement | tons | 15,513 | 28,684 | 19,896 | 6,147 | 985 | 65 | 71,290 |
| Bricks | 1,000 units | 21,985 | 36,232 | 28,619 | 8,316 | 2,622 | 65 | 97,839 |
| Rolled steel of all kinds | tons | 9,097 | 18,367.5 | 13,224.5 | 4,492 | 733 | 4 | 45,918 |
| Nails and screws | tons | 245 | 182 | 108 | 164 | 10 | - | 709 |
| Roofing paper | 1,000 $m^2$ | 253 | 420 | 314 | 133 | 21 | 2.5 | 1,143.5 |
| Sheet glass (Tafelglas) | 1,000 $m^2$ | 42 | 110 | 77 | 24 | 2.65 | 1.45 | 257.1 |
| Cut coniferous lumber | 1,000 $m^3$ | 13.5 | 22.5 | 16 | 6 | 1.5 | - | 59.5 |



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All amounts in thousands of DME
Unit of quantity = one



Attachment 3

MACHINE REQUIREMENTS OF THE PLANTS 1951-1955

| Description of Machines | 1950-1955 Requirements Quantity | 1950-1955 Requirements Value | 1950-1955 Of Which Imports Quantity | 1950-1955 Of Which Imports Value | 1950 Requirements Quantity | 1950 Requirements Value | 1950 Of Which Imports Quantity | 1950 Of Which Imports Value | 1951 Requirements Quantity | 1951 Requirements Value | 1951 Of Which Imports Quantity | 1951 Of Which Imports Value | 1952 Requirements Quantity | 1952 Requirements Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lathes | 566 | 10,826 | 44 | 2,412 | 22 | 437 | 6 | 245 | 213 | 4,675 | 24 | 1,447 | 194 | 3,649 |
| up to 300 mm. | 244 | 2,431 | 14 | - | 14 | 142 | - | - | 92 | 949 | - | - | 81 | 830 |
| 300-500 mm. | 163 | 2,953 | 3 | 236 | 2 | 50 | - | - | 63 | 1,240 | 3 | 236 | 57 | 1,066 |
| over 500 mm. | 45 | 2,475 | 28 | 1,370 | 5 | 205 | 5 | 205 | 16 | 1,175 | 10 | 780 | 15 | 755 |
| other lathes | 114 | 2,967 | 19 | 806 | 1 | 40 | 1 | 40 | 42 | 1,311 | 11 | 431 | 41 | 1,008 |
| Lathes with horizontal faceplates | 103 | 10,775 | 30 | 6,344 | 17 | 2,761 | 10 | 2,390 | 41 | 4,574 | 20 | 3,954 | 34 | 2,558 |
| up to 2 m. ø | 52 | 1,681 | 5 | - | 5 | 154 | - | - | 21 | 620 | 15 | 2,264 | 19 | 717 |
| 2 m. - 4 m. ø | 38 | 4,764 | 20 | 2,914 | 7 | 867 | 5 | 650 | 15 | 2,264 | 15 | 2,264 | 13 | 1,241 |
| over 4 m. ø | 13 | 4,330 | 10 | 343 | 5 | 1,740 | 5 | 1,740 | 5 | 1,690 | 5 | 1,690 | 2 | 600 |
| Turret lathes and automatic lathes | 100 | 2,174 | 15 | 540 | 15 | 402 | 10 | 330 | 54 | 1,088 | 26 | 210 | 22 | 420 |
| Milling machines | 246 | 5,541 | 47 | 2,569 | 16 | 554 | 10 | 480 | 108 | 2,625 | 15 | 1,386 | 84 | 1,500 |
| portal milling machines | 43 | 2,431 | 21 | 1,720 | 5 | 290 | 5 | 290 | 16 | 935 | 12 | 840 | 12 | 560 |
| slotting and end milling machines | 28 | 792 | 12 | 520 | 4 | 140 | 4 | 140 | 12 | 455 | 8 | 380 | 8 | 125 |
| thread-milling machines | 16 | 256 | 1 | - | 1 | 6 | - | - | 8 | 154 | 6 | - | 7 | 96 |
| other milling machines | 159 | 2,244 | 14 | 529 | 6 | 118 | 1 | 50 | 72 | 1,081 | 6 | 166 | 57 | 719 |
| Tooth-cutting machines | 91 | 4,583 | 32 | 2,297 | 7 | 730 | 6 | 565 | 34 | 1,628 | 19 | 1,028 | 34 | 1,562 |
| tooth slotting machines and planing machines | 27 | 798 | 17 | 615 | 3 | 155 | 3 | 155 | 13 | 388 | 13 | 388 | 7 | 162 |
| other tooth-cutting machines (exclusive of tooth-grinding machines) | 64 | 3,785 | 14 | 1,682 | 4 | 575 | 2 | 410 | 21 | 1,240 | 6 | 640 | 27 | 1,400 |
| Boring mills and milling cutters | 148 | 9,279 | 24 | 3,064 | 9 | 989 | 7 | 814 | 73 | 4,369 | 11 | 1,430 | 52 | 2,947 |
| jig boring mills (Lehren-bohrwerke) | 10 | 742 | 7 | 472 | 2 | 122 | 2 | 122 | 6 | 415 | 5 | 350 | 2 | 205 |
| other boring mills and milling cutters | 138 | 8,537 | 17 | 2,592 | 7 | 867 | 5 | 692 | 67 | 3,954 | 6 | 1,080 | 50 | 2,742 |
| Planing and slotting machines | 209 | 8,643 | 22 | 1,873 | 11 | 668 | 7 | 630 | 85 | 3,565 | 15 | 1,243 | 79 | 3,364 |
| parallel-planing machines | 93 | 7,273 | 12 | 1,562 | 5 | 542 | 5 | 542 | 53 | 2,882 | 7 | 1,020 | 41 | 2,995 |
| other planing and slotting machines | 116 | 1,370 | 10 | 311 | 6 | 126 | 2 | 88 | 52 | 683 | 8 | 223 | 38 | 369 |
| Grinding machines | 523 | 10,961 | 104 | 3,400 | 41 | 862 | 34 | 850 | 212 | 4,422 | 58 | 2,134 | 165 | 3,556 |
| circular grinding machines (Rundschleifmaschinen) | 153 | 3,548 | 40 | 1,378 | 7 | 210 | 7 | 210 | 64 | 1,597 | 23 | 809 | 51 | 1,169 |
| tooth-grinding machines | 21 | 663 | 6 | 191 | 1 | 15 | 1 | 15 | 7 | 211 | 3 | 119 | 7 | 280 |
| other grinding machines | 349 | 6,750 | 58 | 1,831 | 33 | 637 | 26 | 625 | 141 | 2,814 | 32 | 1,206 | 107 | 2,107 |
| Boring machines | 533 | 4,538 | 66 | 1,725 | 19 | 447 | 16 | 422 | 193 | 1,940 | 39 | 1,005 | 177 | 1,427 |
| radical drilling machines | 151 | 2,718 | 59 | 1,484 | 15 | 314 | 15 | 314 | 57 | 1,178 | 34 | 890 | 55 | 950 |
| other boring machines | 382 | 1,820 | 7 | 241 | 4 | 133 | - | - | 136 | 762 | 5 | - | - | - |

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Attachment 3

| Description of Machines | 1950-1955 Requirements Quantity | Value | Of Which Imports Quantity | Value | 1950 Requirements Quantity | Value | Of Which Imports Quantity | Value | 1951 Requirements Quantity | Value | Of Which Imports Quantity | Value | 1952 Requirements Quantity | Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Metal-sawing machines | 85 | 1,676 | 26 | 909 | 10 | 460 | 10 | 460 | 13 | 817 | 16 | 449 | 22 | 261 |
| metal circular saws | 51 | 1,348 | 25 | 887 | 10 | 460 | 10 | 460 | 20 | 527 | 15 | 427 | 14 | 232 |
| other metal-sawing machines | 34 | 328 | 1 | 22 | - | - | - | - | 23 | 290 | 1 | 22 | 8 | 29 |
| Pressing and forging machines | 163 | 4,802 | 12 | 3,450 | 23 | 2,029 | 5 | 1,600 | 67 | 2,532 | 7 | 1,850 | 31 | 153 |
| presses up to 1,000 tons | 24 | 1,245 | 7 | 670 | 8 | 550 | 3 | 400 | 10 | 587 | 4 | 270 | 4 | 68 |
| presses over 1,000 tons | 3 | 2,600 | 3 | 2,600 | 2 | 1,200 | 2 | 1,200 | 1 | 1,400 | 1 | 1,400 | - | - |
| special presses | 109 | 577 | 2 | 180 | 7 | 19 | - | - | 55 | 425 | 2 | 180 | 27 | 85 |
| forge hammers with hammer heads weighing up to 3,000 kilograms | 7 | 280 | - | - | 6 | 260 | - | - | 1 | 120 | - | - | - | - |
| Other machine tools equipment (Ausruestungen) | | 79,602 | | 4,657 | | 4,942 | | 425 | | 26,581 | | 1,922 | | 28,982 |
| TOTAL | | 153,400 | | 33,240 | | 15,281 | | 9,211 | | 58,816 | | 18,058 | | 50,379 |



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Annex 3

| Description of Machine | 1952 Of Which Imports Quantity | 1952 Of Which Imports Value | 1953 Requirements Quantity | 1953 Requirements Value | 1953 Of Which Imports Quantity | 1953 Of Which Imports Value | 1954 Requirements Quantity | 1954 Requirements Value | 1954 Of Which Imports Quantity | 1954 Of Which Imports Value | 1955 Requirements Quantity | 1955 Requirements Value | 1955 Of Which Imports Quantity | 1955 Of Which Imports Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lathes | 13 | 647 | 106 | 1,593 | 1 | 73 | 31 | 473 | - | - | - | - | - | - |
| up to 300 mm. | - | - | 47 | 410 | - | - | 10 | 100 | - | - | - | - | - | - |
| 300-500 mm. | - | - | 31 | 447 | - | - | 10 | 150 | - | - | - | - | - | - |
| over 500 mm. | 7 | 385 | 6 | 225 | - | - | 3 | 115 | - | - | - | - | - | - |
| other lathes | 6 | 262 | 22 | 510 | 1 | 73 | 8 | 108 | - | - | - | - | - | - |
| Lathes with horizontal face plates | - | - | 11 | 882 | - | - | - | - | - | - | - | - | - | - |
| up to 2 m. Ø | - | - | 7 | 190 | - | - | - | - | - | - | - | - | - | - |
| 2 m. - 4 m. Ø | - | - | 3 | 392 | - | - | - | - | - | - | - | - | - | - |
| over 4 m. Ø | - | - | 1 | 300 | - | - | - | - | - | - | - | - | - | - |
| Turret lathes and automatic lathes | - | - | 9 | 264 | - | - | - | - | - | - | - | - | - | - |
| Milling machines | 10 | 598 | 31 | 792 | 1 | 105 | 7 | 70 | - | - | - | - | - | - |
| portal milling machines | 4 | 390 | 10 | 466 | - | - | - | - | - | - | - | - | - | - |
| slotting and end milling machines | - | - | 4 | 72 | - | - | - | - | - | - | - | - | - | - |
| thread-milling machines | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| other milling machines | 6 | 208 | 17 | 254 | 1 | 105 | 7 | 70 | - | - | - | - | - | - |
| Tooth-cutting machines | 8 | 704 | 17 | 663 | - | - | - | - | - | - | - | - | - | - |
| tooth-slotting machines and planing machines | 2 | 72 | 5 | 93 | - | - | - | - | - | - | - | - | - | - |
| other tooth-cutting machines (exclusive of tooth-grinding machines) | 6 | 632 | 12 | 570 | - | - | - | - | - | - | - | - | - | - |
| Boring mills and milling cutters | 6 | 820 | 13 | 944 | - | - | 1 | 30 | - | - | - | - | - | - |
| jig boring mills (Lehren-bohrwerke) | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| other boring mills and milling cutters | 6 | 820 | 13 | 944 | - | - | 1 | 30 | - | - | - | - | - | - |
| Planing and slotting machines | - | - | 30 | 960 | - | - | 4 | 86 | - | - | - | - | - | - |
| parallel-planing machines | - | - | 12 | 774 | - | - | 2 | 80 | - | - | - | - | - | - |
| other planing and slotting machines | - | - | 18 | 186 | - | - | 2 | 6 | - | - | - | - | - | - |
| Grinding machines | 12 | 416 | 87 | 1,952 | - | - | 13 | 139 | - | - | 5 | 30 | - | - |
| circular grinding machines (Rundschleifmaschinen) | 10 | 359 | 25 | 647 | - | - | 5 | 113 | - | - | 3 | 112 | - | - |

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Annex 3

| Description of Machine | 1952 Requirements Quantity | 1952 Requirements Value | 1952 Of Which Imports Quantity | 1952 Of Which Imports Value | 1953 Requirements Quantity | 1953 Requirements Value | 1953 Of which Imports Quantity | 1953 Of which Imports Value | 1954 Requirements Quantity | 1954 Requirements Value | 1954 Of Which Imports Quantity | 1954 Of Which Imports Value | 1955 Requirements Quantity | 1955 Requirements Value | 1955 Of Which Quantity | 1955 Imports Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| tooth-grinding machines | 2 | 57 | 4 | 141 | - | - | 1 | 8 | - | - | 1 | 8 | - | - | | |
| other grinding machines | - | - | 58 | 1,164 | - | - | 7 | 18 | - | - | 3 | 10 | - | - | | |
| Boring machines | 11 | 298 | 92 | 497 | - | - | 50 | 225 | - | - | 2 | 2 | - | - | | |
| radial drilling machines | 10 | 280 | 19 | 211 | - | - | 5 | 65 | - | - | - | - | - | - | | |
| other boring machines | 1 | 18 | 73 | 286 | - | - | 45 | 160 | - | - | 2 | 2 | - | - | | |
| Metal-sawing machines | - | - | 9 | 136 | - | - | 1 | 2 | - | - | - | - | - | - | | |
| metal circular saws | - | - | 7 | 129 | - | - | - | - | - | - | - | - | - | - | | |
| other metal-sawing machines | - | - | 2 | 7 | - | - | 1 | 2 | - | - | - | - | - | - | | |
| Pressing and forging machines | - | - | 17 | 45 | - | - | 4 | 41 | - | - | 1 | 2 | - | - | | |
| presses up to 1,000 tons | - | - | 1 | 10 | - | - | 1 | 30 | - | - | - | - | - | - | | |
| presses over 1,000 tons | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| special presses | - | - | 16 | 35 | - | - | 3 | 11 | - | - | 1 | 2 | - | - | | |
| forge hammers with hammer heads weighing up to 3,000 kilograms | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Other machine tool equipment (Ausruestungen) | | 1,810 | | 16,031 | | 500 | | 2,506 | | - | | 560 | | - | | |
| TOTAL | | 5,293 | | 24,758 | | 678 | | 3,572 | | - | | 594 | | - | | |



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